REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
			IT — 20755 —	
			VAT — 83021 —	
			Lwc — 20755 —	
			CST — 20776 —	
			Roy — 42199 —	
			TOTAL — 168806=00	

SBAAO - 95/15-16
Dt: 29-6-15

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260711

Serial No. 1st and final Bill

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency ..... B.B. Umesh. Contractor.

Date of commencement of work ..... D.O. Record. 20/05/2015

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name of Work : Improvements and Asphalting to HMS Govt Main Road and cross-Roads in Ward no. 09, Vidya nagara sub-Division						
	JOB. NO 009-15-000024 Chayas. Gnt. 2014-15]						
	Work order no : EE/DTP/BBMP/T-PMT/08(16524)2010/3224 14-15 Dt 23-02-2015						
	Estimated cost : Rs. 25. Lakhs						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 0.30m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods etc complete as per specifications and directions of engineer-in-charge of work.						
	Qty vide the MB. p 260774						
	# no (1). 660.534 x 79.37						52426.27
	2) Scarifying existing stone metal layer upto 75mm thick along with thin bituminous surface, picking up serviceable						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	materials and stac
	lead of 100m, seq
	old serviceable mate
	prepared base and
	specifications inclu
	as per specifications
3)	ponding, laying, sp

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
...ual mean in ordinary soil.				
...ual throw up to 2m and as				
excavated surface levelled and				
disposed earth to be levelled				
...ads etc complete as per specifications				
...m charges of Road.				
Orig vide this MB. p 260774				52126.27
# no ①. 660.534³ @ 79.37				
...metal layer upto 75mm thick				
...m surface, picking up dropped				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260715

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	materials and stacking old serviceable materials with lead of 100m, sequential spreading material, and stacking old serviceable materials with fresh aggregate on prepared base and consolidating as per water bound specifications & including costing all materials, labour complete as per specifications.						
	Orig vide this M.B.p. 260777						
	# no. ②: 2571.504³ @ 87.08/m³						223926.22
27	...ponding, laying, spreading and compacting graded stone						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	aggregate to wet mix including specifications providing the material with water at plant carriage of mixed material by tipper to site, laying in uniform layers with pavior on sub-base, base course on well prepared surface and compacted with vibratory Roller to achieve the desired density etc complete as per specifications and direction of Engineer-in-charge of work.						
		Qty as per M.B. No 1265 p.no 126(4+1+16)				394.50 m³ @ 1510.34/m³	595829.13

Serial No. .....
Name of Work .....
Name of Contractor of nature
Date of commencement of w

Date	Full description, et
1	2
4)	Cleaning the s of binding Wire brush or dash bo bag as ord treatment of mechani and directio

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
...des specification ... Water at ... mechanical ... material by tipper ... to site, ... panning sub-base, ... of surface and compacting ... to desired density etc ... and direction of Engineer-				
			Qty as per MB. no 1265 p.no 126(4)+1(6)	595829.13
			@ 394.50/- @ 1510.34/-	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260716

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
4)	Clearing the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes of small pieces, sweeping with brooms or cayth brushes and finally dusting with old gunny bags and or compressed air to receive bituminous treatment, including costing all materials, labour, tools of mechanics, curing etc complete as per specifications and directions of Engineer-in-charge of the work						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	97 for deposits fully	1	5.80	3.20	-	18.56	
		1	6.20	3.50	-	21.70	
		1	10.90	3.00	-	32.70	
		1	6.80	3.30	-	22.44	
		1	7.90	3.50	-	27.65	
		1	8.80	3.00	-	26.40	
		1	7.20	3.90	-	35.88	
	(b) 11th main Road 2B Block Hmg Layout (0.00 to 239.00 mts)	1	30.00	$\frac{5.5+5.1}{2}$	-	159.00	
		1	30.00	$\frac{5.1+4.8}{2}$	-	145.50	
		1	30.00	$\frac{4.6+4.8}{2}$	-	138.00	
		1	30.00	$\frac{4.5+4.8}{2}$	-	135.00	
		1	30.00	$\frac{4.5+4.8}{2}$	-	129.00	
		1	30.00	$\frac{4.1+4.5}{2}$	-	124.50	

Serial No. .....
Name of Work .....
Name of Contractor o
Date of commenceme

Date	Full descr
1	
	(b) 12th 12 Co.

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length	Breadth	Depth		
4	5	6	7	8
5.80	3.20	-	18.56	
6.20	3.50	-	21.70	
10.90	3.00	-	32.70	
6.80	3.30	-	22.44	
7.90	3.50	-	27.65	
8.80	3.00	-	26.40	
9.20	3.90	-	35.88	
30.00	5.5+5.1 / 2	-	159.00	
30.00	5.1+4.75 / 2	-	145.50	
30.00	4.6+4.5 / 2	-	136.50	
30.00	4.5+4.5 / 2	-	135.00	
30.00	4.5+4.3 / 2	-	129.00	
30.00	4.1+4.15 / 2	-	124.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260717

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(b) 12th main - Rd. 1 2nd Block Hmr Lay Co.op ltd 189.50 mtrs	1	30.00	4.2+4.2 / 2	-	126.00	
		1	29.00	4.2+4.2 / 2	-	131.95	
		1	15.70	5.6+5.0 / 2	-	87.14	
		1	30.00	4.3+4.3 / 2	-	129.00	
		1	30.00	4.3+4.1 / 2	-	126.00	
		1	30.00	4.1+4.2 / 2	-	124.50	
		1	30.00	4.2+4.6 / 2	-	132.00	
		1	30.00	4.6+4.3 / 2	-	130.50	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	23.00	$\frac{4.1+5.3}{2}$	-	111.80	
	(d) Romans Garden (Ross.Rd) (0.00 to 152.00 mts)	1	30.00	$\frac{5.9+5.5}{2}$	-	171.00	
		1	30.00	$\frac{5.5+5.5}{2}$	-	171.00	
		1	30.00	$\frac{5.9+4.7}{2}$	-	159.00	
		1	30.00	$\frac{4.7+4.8}{2}$	-	142.50	
		1	32.00	$\frac{4.8+5.3}{2}$	-	161.60	
	(e) 2nd (D) main - Romans Garden - Road	1	30.00	$\frac{5.0+4.5}{2}$	-	142.50	
		1	30.00	$\frac{4.5+5.2}{2}$	-	145.50	
		1	30.00	$\frac{5.2+5.2}{2}$	-	159.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of
Date of commencement of work

Date	Full description, etc, of
1	2
	(d) 2nd Cross - Road
	(e) 2nd Cross - Rou

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
23.00	4.1+5.3/2	-	111.80	
30.00	5.9+5.5/2	-	171.00	
30.00	5.5+5.9/2	-	171.00	
30.00	5.9+4.7/2	-	159.00	
30.00	4.7+4.8/2	-	142.50	
32.00	4.8+5.3/2	-	161.60	
30.00	5.0+4.5/2	-	142.50	
30.00	4.5+5.3/2	-	145.50	
30.00	5.2+5.4/2	-	159.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260718

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	5.4+4.4/2	-	147.00	
		1	30.00	4.4+4.9/2	-	139.50	
		1	30.00	4.9+5.3/2	-	153.00	
		1	23.30	5.3+5.4/2	-	126.99	
	1) 1st CROSS-ROAD	1	30.00	4.0+4.0/2	-	120.00	
		1	10.00	4.0+4.0/2	-	40.00	
	2) 2nd CROSS-ROAD	1	30.00	5.4+6.3/2		175.50	
		1	12.00	6.3+6.5/2	-	76.80	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	7.30	$\frac{4.0+4.50}{2}$		31.03	
	Durg - Layout 2nd main	1	30.00	$\frac{4.0+3.6}{2}$	-	144.00	
		1	30.00	$\frac{5.6+5.3}{2}$	-	162.00	
		1	30.00	$\frac{5.2+4.6}{2}$	-	147.00	
		1	5.15	$\frac{4.6+5.0}{2}$	-	29.76	
						4854.44 sq.m	
						4850.00	
						@ 12.20/sq.m	59,189.00
5)	Providing and applying tack coat of primer coat using medium grade bitumen emulsion @ 2.30 kg/10 sq.m						

Serial No. .....
Name of Work .....
Name of Contractor of na
Date of commencement

Date	Full description
1	2
	over gra... heavy bitu... coating all ... complete ...
5)	Providing and ... crushed ag... bituminous b...

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
7.30	4.0+4.50/2		31.03	
30.00	4.0+3.6/2	-	144.00	
30.00	5.4+5.3/2	-	162.00	
30.00	5.2+4.6/2	-	147.00	
5.15	4.4+5.0/2	-	25.76	
			4854.44 x 2	
			4850.00	
			@ 12.20/sq.m	59189.00
ade	Cost of fr surfacing.			
ness	Stabilized road @ 250/sq.m			
ment				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260719

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	over prepared surface with S.S. bitumen emulsion using heating bitumen in boilers fitted with spray nozzles including cost of all materials, labour, hire of machinery etc complete as per specification.						
		Qty as per It no. (4)					95448.00
		2	4850.00 x 2			@ 19.68/sq.m	
5)	Providing and laying semi dense bituminous concrete using crushed aggregate of specified grading, premixed with bituminous binder and filler, transporting the hot mix to						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Wide site, laying with a hydrostatic paver finisher with sensor control to the required grade level and alignment, Rolling with smooth wheeled, vibratory and tandem Roller to achieve the desired compaction as per specification clause no 510.8 Completion all Respects as per specifications. With 120 TPH. Capacity Hmp with sensor paver - Gr-II (25 to 30mm) with Sf. (RAP+ SS grade) etc complete as per specification and directions of Engineer-in-charge for the work.						
	for. Depression fill	1	6.20	3.55	0.025	0.54 MT	
		2	6.80	5.50	0.025	1.70	

Serial No. .....
Name of Work .....
Name of Contractor of nature of
Date of commencement of work

Date	Full description, etc,
1	2

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
the shahe paver finisher with				
and grade level and alignment,				
od, vibrating and tanding				
d compaction as per mostly				
no. & complete in all Respects				
ng 120 TPH. Capacity 1 hop				
(25 to 30 mm) Width of. (RMD				
per specification and directions				
th work.				
1 6.20	3.5	0.025	0.54	
2 6.80	5.40	0.025	1.70	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260720

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	11.20	4.80	0.025	1.34	
		1	7.20	5.40	0.025	0.97	
		2	8.50	4.80	0.025	2.04	
		1	9.40	4.20	0.025	0.98	
		1	10.50	4.30	0.025	1.13	
		2	12.50	5.40	0.025	3.13	
		1	10.10	4.20	0.025	1.06	
		1	9.50	4.10	0.025	0.97	
		1	5.60	3.50	0.025	0.49	
	9, 11th main 2st Block Hmp Layout						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(Carried over 239 mts)	1	30.40	$\frac{5.5+5.5}{2}$	0.025	3.98	
		1	30.40	$\frac{5.1+4.6}{2}$	0.025	3.64	
		1	30.40	$\frac{4.6+4.5}{2}$	0.025	3.41	
		1	30.40	$\frac{4.5+4.5}{2}$	0.025	3.38	
		1	30.40	$\frac{4.5+4.4}{2}$	0.025	3.27	
		1	30.40	$\frac{4.1+4.3}{2}$	0.025	3.11	
		1	30.40	4.20	0.025	3.40	
		1	29.40	$\frac{4.2+6.3}{2}$	0.025	3.30	
	12M main Road 1st Block HMP	1	15.70	$\frac{5.6+5.5}{2}$	0.025	2.18	
		1	30.40	4.30	0.025	3.27	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Cc burga layout 2nd main Road

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
30.40	$\frac{5.5+5.1}{2}$	0.025	3.98	
30.40	$\frac{5.1+4.6}{2}$	0.025	3.64	
30.40	$\frac{4.6+4.5}{2}$	0.025	3.41	C&EC
30.40	$\frac{4.5+4.5}{2}$	0.025	3.38	
30.40	$\frac{4.5+4.1}{2}$	0.025	3.29	
30.40	$\frac{4.1+4.2}{2}$	0.025	3.14	
30.40	4.20	0.025	3.40	
29.40	$\frac{4.2+4.2}{2}$	0.025	3.30	
15.70	$\frac{5.6+5.5}{2}$	0.025	2.18	
30.40	4.30	0.025	3.27	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260721

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.40	$\frac{4.3+4.1}{2}$	0.025	3.76	
		1	30.40	$\frac{4.1+4.2}{2}$	0.025	3.11	
		1	30.40	$\frac{4.2+4.6}{2}$	0.025	3.30	C&EC
		1	30.40	$\frac{4.6+4.1}{2}$	0.025	3.26	
		1	23.80	$\frac{4.1+5.1}{2}$	0.025	2.80	
		1	30.00	$\frac{5.9+5.5}{2}$	0.025	4.28	
		1	30.40	$\frac{5.5+5.9}{2}$	0.025	4.28	
		1	30.40	$\frac{5.9+4.1}{2}$	0.025	3.98	
	C/O Durga layout 2nd main Road						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.50	$\frac{4.7+4.8}{2}$	0.025	3.56	
		1	32.50	$\frac{4.8+5.3}{2}$	0.025	4.04	
d)	1st 'A' main Road Ramanna Garden	1	30.50	$\frac{5.0+4.5}{2}$	0.025	3.56	
		1	30.50	$\frac{4.5+5.2}{2}$	0.025	3.64	C&FC
		1	30.50	$\frac{5.2+5.4}{2}$	0.025	3.98	
		1	30.50	$\frac{5.4+4.6}{2}$	0.025	3.68	
		1	30.50	$\frac{4.4+4.9}{2}$	0.025	3.49	
		1	30.50	$\frac{4.9+5.1}{2}$	0.025	3.87	
		1	23.30	$\frac{5.3+5.1}{2}$	0.025	3.17	
e)	1st Cross-Road	1	30.50	$\frac{4.0+4.0}{2}$	0.025	3.50	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	f) 2nd Cross-Road
	g) Durga Layout 2nd Main

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
30.00	4.7+4.8/2	0.025	3.564	
32.00	4.8+5.3/2	0.025	4.04	
30.00	5.0+4.5/2	0.025	3.56	
30.00	4.5+5.2/2	0.025	3.64	
30.00	5.2+5.6/2	0.025	3.98	
30.00	5.4+4.6/2	0.025	3.68	
30.00	4.4+4.7/2	0.025	3.49	
30.00	4.9+4.8/2	0.025	3.87	
23.30	5.3+5.1/2	0.025	3.17	
30.00	4.0+4.0/2	0.025	3.00	

C&FC

25/6

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

260722

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	10.00	4.0+4.0/2	0.025	1.00	
	(6) 2nd CROSS-ROAD	1	30.00	5.4+6.3/2	0.025	4.39	
		1	12.00	6.3+6.8/2	0.025	1.92	
		1	7.30	4.0+4.5/2	0.025	0.78	
	(7) DURGA NAGAR 2nd CROSS	1	30.00	4.0+5.6/2	0.025	3.60	
		1	30.00	5.6+5.2/2	0.025	4.05	
		1	30.00	5.2+4.6/2	0.025	3.68	
		1	5.10	4.6+3.5/2	0.025	0.64	

C&FC

25/6

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Total		130.984 T	
				Ltd to		130.95 T	
				@ 11622.3 T			
	7) Lead for Disposal of debris shall be payable at Carriage rates by mechanical means including loading and unloading etc complete as per specifications and directions of Engineer-In-charge of Work.						
				Qty vide It no. (1) :		660.53 T	
				Ltd to		= ~~445.10~~ 594.47 T	
						@ 77.24/T	45916.86
						Total - Rs	25,97,626.95

Cert
Sd/-
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬ. ಬೆಂ. ಮ ಪಾ. ಬೆಂಗಳೂರು-97.

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
15/19/57 ರಂದು

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2

Vidyaranyapura Wing P.O.

ಸ. ಕಾ. ಅ.

UREMENT BOOK

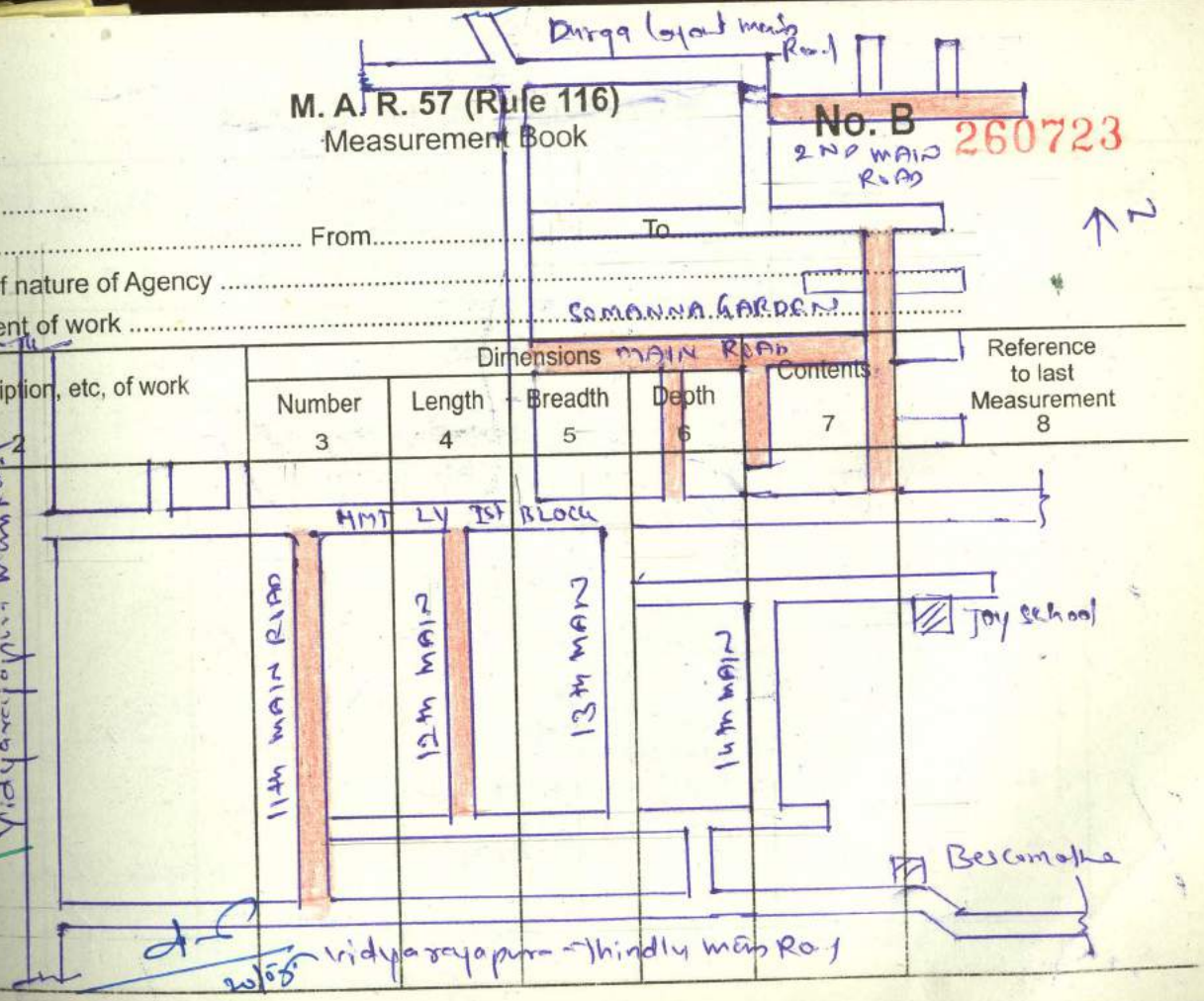
Dimensions				Contents	Reference to last Measurement
mber 3	Length 4	Breadth 5	Depth 6	7	8
		Total.		130.984	
		Ld to		130.954	
		@ 11622.37			
bns shall be payable					
ical measd including					
complete as per specification and					
In-charge of Work.					
Qty side Ld no. ① :				660.534	
Ld to =				~~445.087~~ 594.47	
				@ 77.24/m	45916.86
Total - B					25,97,626.95

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260723

Serial No. .....
Name of Work ..... From..... To .....
Name of Contractor or nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8



MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Audited & Admitted for Rs
2597626=00
23,76,766=00 By Cheque
and Rs 220860=00 By adjustment
Accts. Suodt.
Byatarayanapura Dn
BBMP
Vanaj
Exe engineer
Byatarayanapura Dn
BBMP

FI - 25976
VAT - 103905
CWC - 25976
CESS - 2598 -
Roy - 62105 -
Total - 220860=00

Serial No. 1st and final
Name of Work
Name of Contractor of nature of Agen
Date of commencement of work

Date	Full description, etc, of wor
1	2
	Name of Work
	Estimated cost
	DR. No
	Work ordered